

## CPC COOPERATIVE PATENT CLASSIFICATION

### A43C FASTENINGS OR ATTACHMENTS OF FOOTWEAR; LACES IN GENERAL

#### A43C 1/00 Shoe lacing fastenings ([garment fastening devices A41F](#))

- A43C 1/003
  - . { Zone lacing, i.e. whereby different zones of the footwear have different lacing tightening degrees, using one or a plurality of laces ([laces combined with another system A43C 11/008](#); [zone tightening using straps A43C 11/14](#))}
- A43C 1/006
  - . { Rear lacing, i.e. with a lace placed on the back of the foot in place of, or in addition to the traditional front lace}
- A43C 1/02
  - . with elastic laces
- A43C 1/04
  - . with rings or loops
- A43C 1/06
  - . tightened by draw-strings

#### A43C 3/00 Hooks for laces ([making from sheet metal B21D 53/46](#)); Guards for hooks

- A43C 3/02
  - . Lacing-hooks with guide rollers
- A43C 3/04
  - . Spring safety-hooks

#### A43C 5/00 Eyelets ([machines for setting eyelets A43D 100/00](#))

#### A43C 7/00 Holding-devices for laces

- A43C 7/005
  - . { the devices having means to hold the traditional knots or part of it tightened}
- A43C 7/02
  - . Flaps; Pockets
- A43C 7/04
  - . Hinged devices
- A43C 7/06
  - . Elastic bands
- A43C 7/08
  - . Clamps drawn tight by laces

#### A43C 9/00 Laces; Laces in general for garments made of textiles, leather, or plastics

- A43C 9/02
  - . provided with tags, buttons, or decorative tufts

- A43C 9/04 . Forming ends of laces of plastics, celluloid, rubber, or the like
- A43C 9/06 . Releasable ends of laces
- A43C 9/08 . made of paper or wire
- A43C 11/00** **Other fastenings specially adapted for shoes** (dress fastenings in general [A44B](#))
- A43C 11/002 . {Fastenings using stretchable material attached to cuts in the uppers}
- A43C 11/004 . {Fastenings fixed along the upper edges of the uppers}
- A43C 11/006 . . {Elastic fastenings}
- A43C 11/008 . {Combined fastenings, e.g. to accelerate undoing or fastening}
- A43C 11/02 . Button fastenings
- A43C 11/04 . . Studs; Fastening same
- A43C 11/06 . Snap-button fastenings
- A43C 11/08 . Hook fastenings; Rotary hooks
- A43C 11/10 . . Hooks with several tongues
- A43C 11/12 . Slide or glide fastenings
- A43C 11/14 . Clamp fastenings, {e.g. strap fastenings}; Clamp-buckle fastenings; Fastenings with toggle levers
- A43C 11/1406 . . {Fastenings with toggle levers; Equipment therefor}
- A43C 11/1413 . . . {Equipment for fastening toggle lever fastenings}
- A43C 11/142 . . . {Fastenings with toggle levers with adjustment means provided for on the shoe, e.g. rack}
- A43C 11/1426 . . . . { characterised by the attachment of the rack to the footwear}
- A43C 11/1433 . . . . {characterised by means to decrease required force for the closure movement of the toggle lever}
- A43C 11/144 . . . . {characterised by means to retain the preferred position on the rack when the fastening means are in the loosened position}
- A43C 11/1446 . . . . {characterised by special protection means to prevent damage or accidental loosening of the fastening means}
- A43C 11/1453 . . . . {characterised by the shape of the teeth on the rack}
- A43C 11/146 . . . {Fastenings with toggle levers with adjustment means provided for on the strap, e.g. ratchet strap}
- A43C 11/1466 . . . . {characterised by means to decrease required force for the closure movement of the toggle lever}
- A43C 11/1473 . . . . {characterised by means to retain the preferred position on the strap when the fastening means are in the loosened position}
- A43C 11/148 . . . . {characterised by special protection means to prevent damage or accidental loosening of the fastening means}

- A43C 11/1486 . . . . {characterised by the shape of the teeth on the ratchet strap}
- A43C 11/1493 . . { Strap fastenings having hook and loop-type fastening elements}
  
- A43C 11/16 . Fastenings secured by wire, bolts, or the like
- A43C 11/165 . . { characterised by a spool, reel or pulley for winding up cables, laces or straps by rotation}
  
- A43C 11/18 . Fastenings of the lazy-tongs type
  
- A43C 11/20 . Fastenings with tightening devices mounted on the tongue
  
- A43C 11/22 . Fastening devices with elastic tightening parts between pairs of eyelets, e.g. clamps, springs, bands
  
- A43C 11/24 . Ornamental buckles or other ornaments for shoes, with fastening function ([buckles in general A44B 11/00](#))
  
- A43C 13/00**            **Wear-resisting attachments**
  
- A43C 13/02 . Metal plates for soles or heels
  
- A43C 13/04 . Cleats; Simple studs; Screws; Hob-nails
  
- A43C 13/06 . Attachments for edges of soles, especially for ski boots
- A43C 13/08 . . with rubber, plastics, leather, felt or like parts
- A43C 13/10 . . made from wire
  
- A43C 13/12 . Releasable protecting-soles of metal ([soles of metal A43B 3/10](#))
  
- A43C 13/14 . Special attachments for toe-caps; Protecting caps for toe-caps
  
- A43C 15/00**            **Non-skid devices or attachments** ([apparatus for climbing poles, trees, or the like A63B 27/00](#))
  
- A43C 15/005 . {Nails, pins}
  
- A43C 15/02 . attached to the sole
  
- A43C 15/04 . attached to the heel
  
- A43C 15/06 . Ice-gripping devices or attachments, e.g. ice-spurs, ice-cleats, ice-creepers, crampons; Climbing devices or attachments e.g. mountain climbing irons ([A43C 15/09 takes precedence; ice-spurs for horseshoes A01L 7/08](#))
- A43C 15/061 . . {Ice-gripping devices or attachments, e.g. ice-cleats, ice-creepers}
- A43C 15/063 . . . {with ice-gripping means projecting from the front foot region}
- A43C 15/065 . . . {with ice-gripping means projecting from the region directly in front of the heel}
- A43C 15/066 . . . {with ice-gripping means projecting from the heel area, e.g. ice spurs}
- A43C 15/068 . . {Climbing devices or attachments, e.g. glacier crampons, mountain climbing irons}

- A43C 15/08 . . Reversible ice-spikes
- A43C 15/09 . Equipment associated with footwear for walking on inclines to compensate for angle of inclination
- A43C 15/10 . Non-skid attachments made of wire, chain, or other meshed material
- A43C 15/12 . Small releasable non-slip straps
- A43C 15/14 . with outwardly-movable spikes
- A43C 15/16 . Studs {or cleats} for football or like boots
- A43C 15/161 . . {characterised by the attachment to the sole}
- A43C 15/162 . . {characterised by the shape}
- A43C 15/164 . . . {having a circular cross section}
- A43C 15/165 . . . . {pointed or conical, e.g. calks, spikes, pins}
- A43C 15/167 . . . . {frusto-conical or cylindrical}
- A43C 15/168 . . {with resilient means, e.g. shock absorbing means}
- A43C 15/18 . Serrated grips

#### **A43C 17/00           Spurs**

- A43C 17/02 . Spurs; Means for fastening spurs
- A43C 17/04 . Releasable spur fastenings
- A43C 17/06 . Collapsible spurs

#### **A43C 19/00           Attachments for footwear, not provided for in other groups of this subclass**